

**WHAT IS CLAIMED:**

1. A real time qRT-PCR assay for the detection of Rotavirus wherein the forward primer is 5'ACC ATC TAC ACA TGA CCC TC3' (SEQ ID NO: 3), the reverse primer is 5'GGT CAC ATA ACG 5 CCC C3' (SEQ ID NO: 4) and the confirmation primer is selected from a sequence of SEQ ID NO: 1 and does not overlap with SEQ ID NO: 3 or SEQ ID NO: 4.

2. The assay of Claim 1 wherein the confirmation primer is 5' ATG AGC ACA ATA GTT AAA AGC TAA CAC TGT CAA 3' (SEQ ID NO: 2).

10 3. The assay of Claim 2 wherein the 5' end of the confirmation primer is labeled with FAM and the 3' end of the confirmation primer is labeled with TAMRA.

4. The assay of Claim 1 wherein the confirmation primer is a molecular beacon.

15 5. The assay of Claim 4 wherein the molecular beacon contains at least 25 nucleotides of SEQ ID NO: 2.

20 6. The assay of Claim 1 wherein the assay is quantitative of the amount of Rotavirus detected.

7. A primer having the sequence of SEQ ID NO: 3.

8. A primer having the sequence of SEQ ID NO: 4.

25 9. A primer having the sequence of SEQ ID NO: 2.

10. The primer of Claim 9 further comprising a FAM label on the 5' end of the primer and a TAMRA label on the 3' end of the primer.

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